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## NOTICE OF ALLOWANCE AND FEE(S) DUE

27061

7590

04/08/2008

ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (GEMS) 136 S WISCONSIN ST PORT WASHINGTON, WI 53074 EXAMINER

MEHTA, PARIKHA SOLANKI

ART UNIT

PAPER NUMBER

3737

DATE MAILED: 04/08/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,829	08/20/2003	Manojkumar Saranathan	GEMS8081.169	1828

TITLE OF INVENTION: MULTI-SLICE MR DATA ACQUISITION IN SUCCESSIVE HEARTBEATS WITH BLACK BLOOD CONTRAST

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	07/08/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PHRLICATION FEE (if required). Blocks 1 through 5 should be completed where

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)  27061 7590 04/08/2008  ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (GEMS) 136 S WISCONSIN ST PORT WASHINGTON, WI 53074			SC (GEMS)	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.  Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVI	ENTOR	Α	TTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,829 TITLE OF INVENTION	08/20/2003 I: MULTI-SLICE MR D	ATA ACQUISITION IN	Manojkumar Sarai SUCCESSIVE HE		EATS WITH BLACK	GEMS8081.169 EBLOOD CONTRAST	1828
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nonprovisional	NO	\$1440	\$0		\$0	\$1440	07/08/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLA	CLASS			
MEHTA, PARI	KHA SOLANKI	3737	600-413000				
Address form PTO/Site       "Fee Address" ind PTO/SB/47; Rev 03-6       Number is required.  3. ASSIGNEE NAME A PLEASE NOTE: Un	lication (or "Fee Address") Of the property of the control of the	" Indication form led. Use of a Customer A TO BE PRINTED ON	or agents OR, al (2) the name of registered attorn 2 registered pate listed, no name of THE PATENT (print data will appear or T a substitute for fil	ternative a single ey or a ent attorwill be tor type ing an a	e firm (having as a megent) and the names rneys or agents. If no printed.  e)  atent. If an assignee	ember a 2of up to name is 3is identified below, the d	locument has been filed for
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent)	: <b>_</b>	Individual 🗖 Corp	oration or other private gro	oup entity 🗖 Government
4a. The following fee(s) are submitted:  Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			A check is encl Payment by cre The Director is	osed. edit care hereby	d. Form PTO-2038 is authorized to charge	the required fee(s), any de	
a. Applicant claim	tus (from status indicated as SMALL ENTITY stated	ıs. See 37 CFR 1.27.	11			ENTITY status. See 37 C	FR 1.27(g)(2). he assignee or other party in
interest as shown by the	records of the United Sta	tes Patent and Trademark	c Office.	uiaii U	ic applicant, a registe	act attorney of agent; of the	ne assignee of omer party in
Authorized Signature			Date				
Typed or printed name			Registration No				
submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	d application form to the ions for reducing this bu Virginia 22313-1450. DC 313-1450.	e USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR	v depending upon the Chief Information COMPLETED FOR	e indiv Office MS TC	idual case. Any com r, U.S. Patent and Tr D THIS ADDRESS. S	public which is to file (and nutes to complete, including ments on the amount of the ademark Office, U.S. DeposeND TO: Commissioner plays a valid OMB control	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,



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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/604,829	08/20/2003	Manojkumar Saranathan	GEMS8081.169	1828	
27061 75	90 04/08/2008	EXAMINER			
ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (GEMS) 136 S WISCONSIN ST PORT WASHINGTON, WI 53074			MEHTA, PARIKHA SOLANKI		
			ART UNIT	PAPER NUMBER	
			3737		
			DATE MAILED: 04/08/2003	8	

### Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 626 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 626 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/604,829	SARANATHAN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	PARIKHA S. MEHTA	3737	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course. <b>THIS</b>	
1. X This communication is responsive to the after-final argume	ents submitted 25 Feb 2008.		
2. ☑ The allowed claim(s) is/are <u>1-8 and 11-26</u> .			
<ol> <li>Acknowledgment is made of a claim for foreign priority unally and all black b</li></ol>	e been received. e been received in Application No		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review ( PTO	-948) attached	
1)  hereto or 2)  to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the (	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	` ''	•	
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT			
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit	<ul> <li>5. ☐ Notice of Informal F</li> <li>6. ☐ Interview Summary</li> <li>Paper No./Mail Da</li> <li>7. ☐ Examiner's Amenda</li> <li>8. ☒ Examiner's Statement</li> </ul>	(PTO-413), ete	
of Biological Material	9.		

Art Unit: 3737

### **REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance: prior art of record does not fairly teach or suggest applying only one non-selective inversion pulse followed by only one selective inversion pulse over the duration of a single R-R interval, as is presently claimed and described in the instant disclosure. The closest applied prior art, Fayad et al (US PG Pubs. No. 2005/0010104 A1), teaches applying at least two non-selective/selective pulse modules per R-R interval, and thus the presently claimed subject matter is deemed patentably distinct from the invention of Fayad. Furthermore, since the claimed subject matter of the present application and the Fayad case have been proven to be patentably distinct, the Affidavit submitted under 37 CFR 1.131 on 4 December 2007 is effective to swear behind the Fayad reference.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PARIKHA S. MEHTA whose telephone number is (571)272-3248. The examiner can normally be reached on M-F, 8 - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571.272.4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brian L Casler/
Supervisory Patent Examiner, Art Unit
3737

Art Unit: 3737

/Parikha S Mehta/

Examiner, Art Unit 3737